



The Institution of Engineers (India)

Meerut Local Centre

"101 Years of Relentless journey Towards Engineering Advancement for nation Building"

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1. SATUTORY ACTIVITIES

(a) Engineers' Day Date : 15-09-2022

Venue : SCRIET, Meerut

55th Engineers' Day was celebrated in collaboration with Sir Chhotu Ram Institute of Engineering & Technology, Meerut in their seminar hall. The programme started with the lighting of lamp and presentation of bouquets to Chief guest and Speakers.

At the outset, the Chairman of Meerut Local Centre of IEI, Er. M.L. Jain welcomed the dignitaries and participants, which included faculty and students of SCRIET and members of IEI.

Er. C.P. Gupta, FIE (Past Chairman, Meerut Local Centre) gave presentation on life sketch of Bharat Ratna Sir M. Visvesvaraya and his contribution to the nation, as a great Engineer, an efficient administrator, an eminent statesman, educationist, economist and social worker.

Two speakers delivered lectures on the theme for this year '**Smart Engineering for a Better World**'. Dr. Shobhit Saxena, Asstt.

Professor, Deptt. of ECE, SCRIET, Meerut spoke on Role of Engineers in achieving United Nations Sustainability Development Goals. He told that engineers play an important role in sustainable development by planning and building projects that preserve natural resources, are cost efficient which support human and natural environment. He discussed all the 17 sustainable development goals and involvement of engineers in achieving each of them.

Er. Arpit Chhabra, Sr. Computer System Analyst, SCRIET, Meerut in his talk informed that the smart way of life is the best way of living. When people say 'Smart', it means a complete package that is convenient and ingenious. Word smart is often associated with feats of modern engineering. From invention of wheels in ancient times to the innovation of smart phones a few years ago, scientists and engineers have found cutting-edge ways to help build a modern society. He, in his presentation, illuminated several engineering innovations in India that have made modern living convenient, efficient and satisfactory.



The Chief Guest of the programme, Dr. Niraj Singhal, Director, Sir Chhotu Ram Institute of Engineering & Technology, Meerut also addressed with his inspiring talk. The Chief guest and speakers were presented mementoes.

Er. R.P. Agrawal, Hony. Secretary, Meerut Local Centre presented the vote of thanks. Er. Rajneesh Kumar, FIE was the convener of the event.

News of the celebration of Engineers' Day was published in two leading news papers of Meerut on 16-09-2022.

(b) World Habitat Day Date 03-10-2022

World Habitat Day was celebrated by organizing a webinar on google.meet. Er. M.L. Jain, Chairman, Meerut Local Centre welcomed the guests and members of the IEI and gave introduction of the topic and its importance. Er. Ishtiyak Ahmad, Chief Town Planner, Meerut Development Authority, Meerut was the Chief Guest and Keynote Speaker on the occasion. He started his lecture explaining the theme for this year i.e., **“Mind the Gap. Leave No One and Place Behind”**. He told that there are wide inequalities between rich and poor, which need to be reduced. The living conditions are extremely miserable for urban poors. The pandemic, climate change and conflicts have further aggravated the situation. 163 million people have been added to the urban poors due to pandemic. The basic facilities are not available particularly in unauthorized colonies being continuously added. The developers are providing all amenities in modern colonies but poors are deprived of all. Intensive planning and involvement of all stake holders is needed to improve the conditions. Sustainable Development Goals of United Nations, particularly goal no. 11 on cities and communities should be implemented sincerely. No one should be left behind. The developed countries of West are providing basic facilities to their citizens, however a sizable percentage of population in these countries too, is shelterless and living in poverty. The conditions in developing and underdeveloped countries are pathetic. Er. Ishtiyak Ahmad discussed the effects of climate

change on the condition of poors. He also talked about various government schemes to provide housing to the poors. He shared his experiences and the role of development authorities in the matter.

Er. V.B. Singh, Vice President, IEI and Er. Masarrat Noor Khan, Chairman, UP State Centre, Lucknow also expressed their views in the webinar. Er. R.P. Agrawal, Hony. Secretary, Meerut Local Centre presented the vote of thanks. Er. M.L. Agrawal, FIE was the convener of the event.

(c) World Standards Day Date 15-10-2022

World Standards Day was celebrated on 15-10-2022 by organizing a webinar on google meet. The webinar started with the introductory remarks by Er. A.K. Gupta, FIE, Convener of the event. He discussed the theme for this year **“A Shared Vision for a Better World”** and highlighted the importance of standards. Er. M.L. Jain, Chairman Meerut Local Centre welcomed the guests and members of IEI. Er. Ajay Maurya, Scientist C and Deputy Director, Bureau of Indian Standards, Chandigarh was the Keynote Speaker on the occasion. He started with the background of BIS and ISO and discussed the role of BIS in India and at International level. He told that the main activities of BIS are standardization, conformity, assessment, training, hall marking and consumer protection.

Speaking on the theme, he said that the rapid strides in development and ease of living have rendered the air we breathe, the water we drink and land we live on, polluted and degraded. Natural resources have been greatly depleted with many species of flora and fauna becoming extinct or being on the verge of it. It means development is there but sustainable development is needed. More over benefits of development must be equitably distributed. United Nations identified 17 Sustainable Development Goals which project to address social imbalances, develop sustainable economy and slow the rate of climate change. This should be achieved by year 2030. These goals are not independent but are rather interlinked with one another. Standardization at international, regional and national levels play a crucial role in the endeavour to achieve these goals. The leading

international standards setting bodies such as ISO, IEC and ITO have been striving to work towards formulating standards following the best practices of standardization, making standards as widely acceptable as possible. He underlined the role of Bureau of Indian Standards in achieving SDGs. BIS too, has been endeavouring to achieve the SDGs through rolling out need based standards for the society. BIS has been formulating indigenous standards, in diverse sectors like food and agriculture, environment, information technology, power distribution systems and medical devices etc. He explained how standards can help achieving each of 17 SDGs. Er. Ajay Maurya concluded his talk by saying that the decade 2021-2030 is the decade of action and we all should contribute to achieve the Sustainable Development Goals.

In the end Er. R.P. Agrawal Hony. Secretary, Meerut Local Centre presented vote of thanks.

(c) Energy Conservation Day Date 14-12-2022

The event was celebrated at Bale Ram Braj Bhushan Saraswati Shishu Mandir Inter College D-Block Shastri Nagar, Meerut. Shri K.K. Sharma, Principal of the College was the Chief Guest. The programme started with lighting of lamp and presentation of bouquet to guests. At the outset past chairman Er. A.K. Gupta welcomed the guests, students of inter college and members of IEI. He introduced the topic by highlighting the need of conservation of energy in the present context. Speaker Shri S.K. Sharma, Co-ordinator high school section told that energy conservation is the effort made to reduce consumption of energy by using less of an energy service. Energy can be conserved by reducing wastage. He told how one can save petroleum and coal energy. The Speaker Er. C.P. Gupta, the founder Chairman Meerut Local Centre, informed that India is an energy deficient country and we are importing all kinds of fuels such as petroleum, natural gas, coal and uranium by spending precious foreign exchange. He specifically elaborated as to how we can save energy by purchasing energy efficient five star rating appliances and putting switches off when fans and lights are not in use. As India has plenty of

sun shine we can minimize use of dryer in washing machine. The Chief Guest Shri K.K. Sharma suggested that it would be better if such a programme is organised in front of all the college students instead of celebrating it in a hall.

Hony. Secretary Er. R.P. Agrawal delivered vote of thanks.

2. LECTURE MEETING

By Rupesh Chalisgaonkar

on 11-12-2022

This Webinar was organized on google.meet. Dr. Rupesh Chalisgaonkar, Professor, Mechanical Engineering Department KIET Group of Institutions, Ghaziabad (U.P.) was the speaker. Prof. (Dr.) K.L.A. Khan was the convener of the event. The session was started with a welcome note from Er. M.L. Jain Chairman Meerut Local Centre.

The speaker told the importance of Magnesium and its alloys to be specifically used as a biomaterial in human body. Magnesium and its alloy are preferable to other metallic non-biodegradable implants such as titanium stainless steel etc because of better bio degradability, leading to no further surgery and its associated cost. Magnesium and its alloy show poor corrosion resistance in human body fluid (HBF) due to which it dissolves/corrodes rapidly in HBF solution. The corrosion/dissolution of Magnesium in HBF has the advantage in terms of no post-surgery after implantation but uncontrolled degradation needs various manipulation in processing of materials, controlled process condition in conventional manufacturing techniques and subsequently use of unconventional manufacturing processes. The various corrosion mechanisms have been reviewed and discussed. Magnesium and its alloys have been used in various applications such as aircraft, automotive, armaments, electronic, textile, and sports, medical and building industries.

In the end, Hony. Secretary Er. R.P. Agrawal delivered vote of thanks.

CORRECTION IN PERSONAL PROFILE OF MEMBERS IN IEI RECORDS

Through an application on paper to Secretary & Director
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8 Gokhle Road, Kolkata-700020.

My personal profile may be modified as per information given below :

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Yours faithfully

Sd/-

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- (b) Those who do not have E- Mail ID and / or Mobile Number in IEI Records : Send a mail to edp@ieindia.org informing your name, Membership No, Mobile no. and E- mail Id requesting to send password. Now adopt procedure as given above to further process.

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